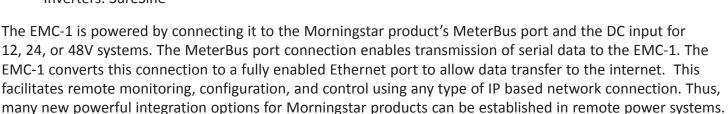


ETHERNET METERBUS CONVERTER™

The Ethernet MeterBus Converter (model: EMC-1) enables IP based network and internet connectivity to any Morningstar product that features an existing MeterBus port (RJ-11) including:

PWM controllers: TriStar and SunSaver Duo MPPT controllers: TriStar MPPT, ProStar MPPT, and SunSaver MPPT Inverters: SureSine



KEY FEATURES AND BENEFITS

- IP based MODBUS connectivity for remote communication and control.
- Remote configuration of controller settings.
- Morningstar's Live View displays system status and log data directly from the EMC-1 to a webpage.

ROHS CE

MORNINGSTAR

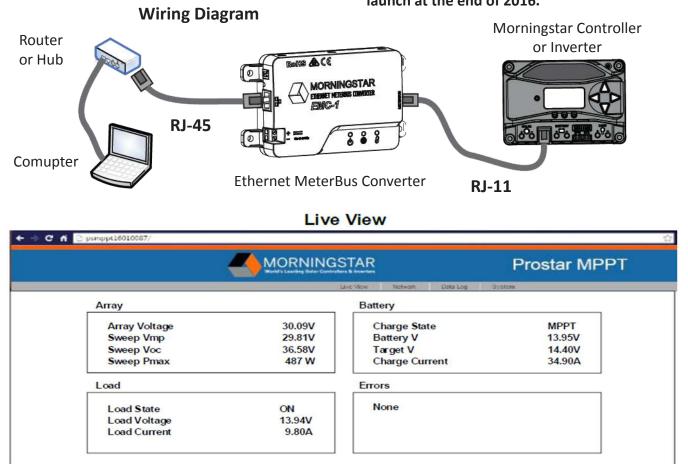
ETHERNET METERBUS CONVERTER

ch.

2

EMC-1

A cloud hosted data service is scheduled for launch at the end of 2016.





TECHNICAL SPECIFICATIONS

Mechanical

- Dimensions
- ons 15.3 x 8.60 x 3.0 cm 6.04 x 3.37 x 1.2 in
- Weight
- 6.04 x 3.37 x 1.2 in 0.13 kg / 0.28 lbs

Environmental

- Operating Temperature Range -40°C to +60°C
- Storage Temperature Range
- Humidity

-55°C to +80°C

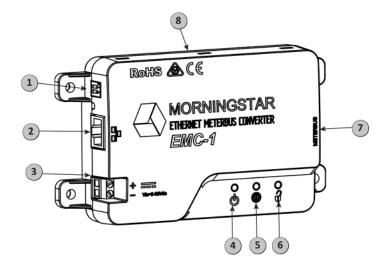
100% non-condensing

Electrical

- DC Input Supply Voltage Range 8-80 Vdc
- Maximum Self-consumption 2 Watts

Data & Communications

- Communication ports MeterBus (RJ-11)
- COM Protocols
- Ethernet speed
- Ethernet (RJ-45) MODBUS Serial MODBUS TCP/IP 10/100Base-T



1 - DIP Switches

DIP 1 enables Ethernet write commands.

DIP 2 enables cloud data service (future use)

2 - Ethernet port (RJ-45)

Used to connect the EMC-1 to LAN / Internet

- 3 Power Input
- 8-80 Vdc power input

4 - Status LED

Green and red lights indicate unit status

5 - Web Monitoring Service LED

Green and red LEDs indicate Web Service status (future use) 6 - Ethernet Write LED

Green light indicates Ethernet write command capability

7 - Meterbus (RJ-11 port)

Used to connect the EMC-1 to Morningstar Device

8 - DIN rail mounts (bottom of unit)

35mm standard size



Revision: 08/05/2016DS-EN Control no. MS-001964 Copyright 2016 www.morningstarcorp.com

WARRANTY: Five year warranty period. Contact Morningstar or your authorized distributor for complete terms.